

Amendment Under 37 C.F.R. § 1.312

Date: April 1, 2008

Serial No. 10/848,922

Atty. Docket No. GP142-02.UT

**Amendment to the Claims**

This listing of claims replaces all prior versions, and listings, of the claims in the application.

**Listing of Claims:**

Claims 1-131 (Canceled)

132. (Currently Amended) A detection probe for use in determining the presence of *Trichomonas vaginalis* in a test sample, said probe comprising a target binding region consisting of the base sequence of SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3 or SEQ ID NO:4, wherein said probe forms a hybrid stable for detection with nucleic acid derived from *Trichomonas vaginalis* but not from *Trichomonas tenax* under assay conditions which include a temperature of about 60°C and a salt concentration of about 0.6 M to about 0.9 M, and wherein said probe does not include bases in addition to the bases of said target binding region which participate in stable hybridization with *Trichomonas vaginalis* derived nucleic acid under said assay conditions.

133. (Previously Presented) The probe of claim 132, wherein the base sequence of said probe consists of the base sequence of SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3 or SEQ ID NO:4.

134. (Previously Presented) The probe of claim 132, wherein said probe is a self-hybridizing probe under said assay conditions and in the absence of nucleic acid derived from *Trichomonas vaginalis*.

135. (Previously Presented) The probe of claim 134, wherein said probe comprises a pair of interacting labels.